

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-5 (Cancelled)

Claim 6 (New): A method for producing a transgenic plant, comprising:

(A) transforming a plant cell with a gene introduction vector which comprises a desired gene and a selectable marker gene which encodes an enzyme that synthesizes auxin or an auxin analogue from an auxin precursor or an auxin analogue precursor,

(B) culturing the transformed plant cell in a medium containing the auxin precursor and/or analogue thereof under conditions suitable for producing a redifferentiated plant tissue from said transformed plant cell,

(C) detecting and selecting a redifferentiated plant tissue and

(D) culturing the redifferentiated plant tissue into a transgenic plant.

Claim 7 (New): The method of Claim 6, wherein said medium contains an auxin which is indoleacetic acid (IAA).

Claim 8 (New): The method of Claim 6, wherein said medium contains an auxin which is not indoleacetic acid (IAA).

Claim 9 (New): The method of Claim 6, wherein said medium contains an auxin analogue which is naphthaleneacetic acid (NAA).

Claim 10 (New): The method of Claim 6, wherein said medium contains an auxin precursor which is indoleacetamide.

Claim 11 (New): The method of Claim 6, wherein said medium contains an auxin precursor which is naphthaleneacetic acid amide (NAM).

Claim 12 (New): The method of Claim 6, wherein the gene for synthesizing auxin from the auxin precursor is an indoleacetamide hydrolase, *iaaH*, gene.

Claim 13 (New): The method of Claim 6, wherein the vector further comprises a cytokinin synthesis gene.

Claim 14 (New): The method of Claim 13, wherein the cytokinin synthesis gene is an isopentenyl transferase, *ipt*, gene.

Claim 15 (New): The method of Claim 6, wherein the vector is introduced via a plant virus.

Claim 16 (New): The method of Claim 6, wherein the vector is introduced via a plant bacterium.

Claim 17 (New): The method of Claim 6, wherein the vector is introduced using *Agrobacterium*.

Claim 18 (New): The method of Claim 6, wherein the vector is introduced by a physical or chemical technique.

Claim 19 (New): The method of Claim 6, wherein the vector comprises a GUS gene.

Claim 20 (New): The method of Claim 6, wherein the vector comprises a kanamycin resistance gene.

Claim 21 (New): The method of Claim 6, wherein the vector comprises a hygromycin resistance gene.

Claim 22 (New): The method of Claim 6, wherein the vector comprises a sulfonyleurea resistance gene.

Claim 23 (New): The method of Claim 6, wherein the plant cell is *Eucalyptus*.

Claim 24 (New): The method of Claim 6, wherein the plant cell is *Populus*.

Claim 25 (New): A vector for introducing a desired gene into a plant comprising:
a desired gene, and

a selectable marker gene comprising an indoleacetamide hydrolase, *iaaH*, gene and an isopentenyl transferase, *ipt*, gene, wherein said vector is free of the tryptophan monooxygenase, *iaaM*, gene.